

IN THE CLAIMS:

Claims 9 and 10 stand withdrawn pursuant to applicants' election under the Requirement for Restriction, which appears below. Accordingly, the Examiner in this prosecution has acted on claims 1 to 8

Applicants respectfully request cancellation of pending claims 1 to 8 and substitution of new claims 11 to 19 as follows:

11. (new) A static mixer comprising:

precision cast static mixer elements (1) arranged along a central axis (10), each precision cast static mixer element having a circumferential reinforcement region (4);

intermediate elements (2) abutting the circumferential reinforcement region (4) and forming in combination with the precision cast static mixer elements a static mixer body of a preselected length with a periphery defined by the reinforcement region and the intermediate elements; and

joints between the reinforcement region (4) and the intermediate elements (2) defining continuous joint surfaces (40a, 40b and 20a, 20b) and a seal between the reinforcement regions (4) and the intermediate elements (2);

the continuous joint surfaces of one of the reinforcement region and the intermediate elements including a cut-out and the other one of the reinforcement region and the intermediate elements including a protrusion extending into the cut-outs positioning the reinforcement region and the intermediate elements with respect to each other to provide machining access to the one of the reinforcement region and the intermediate elements including the cut-out for adjusting the length of the static mixer.

12. (new) The static mixer of claim 11 wherein:

the reinforcement regions (4) of the precision cast static mixer elements (1) are ring-shaped; and including

cut-outs (41, 41', 42, 42') configured in the reinforcement regions (4); and a projecting part (21, 21', 22, 22', 23) protruding from at least one of the continuous joint locations (20a, 20b) of at least one intermediate element (2), the projecting part having a shape complementary to a shape of the cut-outs.

13. (new) The static mixer of claim 12 wherein:
at least some of the projecting parts (23) are separate parts fitted into cut-outs
(25) in the intermediate elements (2).

14. (new) The static mixer of claim 11 further including:
a longitudinally slit cylinder (5) of resiliently elastic sheet metal lamina holding
the precision cast static mixer elements (1) at the reinforcement region (4) and the intermediate
element (2) together.

15. (new) The static mixer of claim 11 and wherein:
the precision cast static mixer elements (1) each comprise a gridwork (3) of
webs (31) which are arranged in layers oriented parallel to the central axis (10) with the webs
of adjacent layers crossing one another.

16. (new) The static mixer of claim 15 and wherein:
the webs of adjacent layers cross one another and enclose angles between 10°
and 70°.

17. (new) The static mixer of claim 11 and wherein:
the precision cast static mixer elements (1) are manufactured from the group
consisting of a metallic alloy, a ceramic material, and a plastic.

18. (new) The static mixer of claim 15 and wherein:
the gridwork (3) of webs (31) is co-cast with the reinforcement regions (4).

19. (new) The static mixer of claim 12 wherein:
first cut-outs (41, 41') are configured on one side of the reinforcement regions
(4); and
second cut-outs (42, 42') are configured on the other side of the reinforcement
regions (4) and displaced 90° from the first cut-outs (41, 41').

IN THE DRAWINGS:

Applicants acknowledge the objection to the drawings as being incorrectly labeled. A correctly labeled set of drawings is included with this amendment.